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XP-002273406

AN - 1990-258637 [34]

AP - JP19890003405 19890109

CPY - KONS

DC - E23 G08 P84 S06

DR - 0575-S 1386-U 1686-S

FS - CPI;GMPI;EPI

IC - G03G5/06

MC - E23-B G06-F06

- S06-A01A1

M4 - [01] A422 A940 A960 C108 C550 C710 C720 C800 C801 C802 C803 C804 C805
C807 D000 E350 M280 M320 M411 M511 M520 M530 M540 M630 M781 M782 M903
M904 Q344 Q346 R032 R043 W002 W030 W326 W334 W410; 07541; R06341-M
R06341-U; 1327-U 0502-U

PA - (KONS) KONICA CORP

PN - JP2183262 A 19900717 DW199034 000pp

PR - JP19890003405 19890109

XA - C1990-112263

XIC - G03G-005/06

XP - N1990-200294

AB - J02183262 The photoreceptor for electrophotography includes the
titanyl phthalocyanine having the crystalline type giving the peak to
9.6 degrees 0.2 degrees, 11.79 degrees +/- 0.2 degrees, 24.1 degrees
+/- 0.2 degrees, and 27.2 degrees +/- 0.2 degrees of Bragg angle
2(theta), and titanyl phthalocyanine having the crystalline type
giving the peak to 9.1 degrees +/- 0.2 degrees, 12.2 degrees +/- 0.2
degrees, 16.3 degrees +/- 0.2 degrees, and 26.9 degrees +/- 0.2
degrees of Bragg angle 2(theta), in the X-ray diffraction spectral to
the Cu-K(alpha) beam (1.541 Angstroms wavelength).

- The titanyl phthalocyanine is mfd. by reacting titanium tetrachloride
and phthalodinitrile reacted with each other in inert solvent of high
b.pt. such as alpha-chloronaphthalene, at 160-300 deg.C reaction temp.
(160-260 deg.C pref.), and hydrolysing the obtd. dichlorotitanium
phthalocyanine by base or water. To obtain the desired crystalline
type, the titanyl phthalocyanine is treated by the solvent.

- USE/ADVANTAGE - The photoreceptor of high sensitivity can be obtd.
The charging potential is hardly affected by the temp. (8pp
Dwg.No.0/6)

CN - R06341-M R06341-U

DRL - 1327-U 0502-U

IW - PHOTORECEIVER ELECTROPHOTOGRAPHIC TITANYL PHTHALOCYANINE MANUFACTURE
REACT TITANIUM TETRA CHLORIDE PHTHALO DI NITRILE

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REACT TITANIUM TETRA CHLORIDE PHTHALO DI NITRILE

NC - 001

OPD - 1989-01-09

ORD - 1990-07-17

PAW - (KONS) KONICA CORP

RRL - 07541

TI - Photoreceptor for electrophotography - includes titanyl phthalocyanine
mfd. by reacting titanium tetra:chloride and phthalo:di:nitrile